



This project is co-financed by the European Union
and the Republic of Türkiye



ICTürkiye2025
10 April, İstanbul

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ORGANIZATION: TUBITAK MAM

WORKSHOP NAME: Green and Digital Transition of Industry

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Description of the Organisation



Founded in 1972, Gebze, Kocaeli

Mission

"Creating sustainable scientific and technological solutions with research, development and innovation capabilities"



*16 Research
Groups*



*350 Ongoing
Projects*



*> 400 Research Staff
(60 %, PhD Degree)*

Description of the Organisation



Chemical Process Technologies Research Group

Research Teams' Expertise

Organic Chemistry and
Advanced Polymer
Technologies

Gas Separation and
Purification
Technologies

- ✓ Life Support Systems
- ✓ Gas Capturing Systems
- ✓ Gas Separation Systems
- ✓ Chemical O₂ Producers
- ✓ O₂ and N₂ Enrichment Systems

Industrial Chemical
Technologies Research Team

- ✓ Proses Development
- ✓ Recovery Proseses
- ✓ Pilot Scale Production
- ✓ Industrial Plant Design



*25 Ongoing Projects
in Aerospace,
Defense and CCU
Technologies*

*An experienced team of 65 professionals
(chemists, chemical/mechanical/industrial
engineers, and technicians)*

Advanced Polymer Technologies and Organic Chemistry Research Team

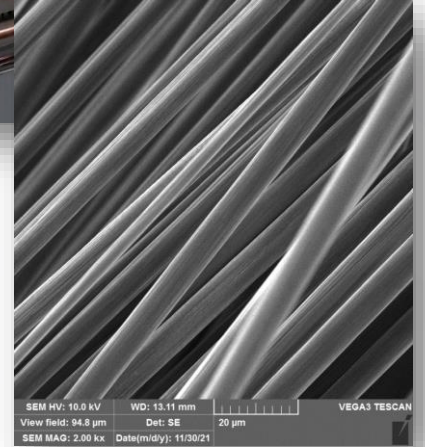
Research Fields



High Performance Prepreg Materials



Fiber Sizing Technologies

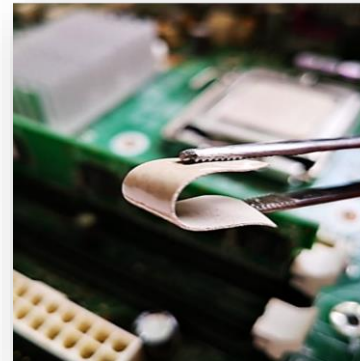


On-going Projects

High Performance Thermoset Resin Design and Lab/Pilot Scale Production



Thermal Conductive Polymer Nanocomposites for Thermal Management



A novel processing route for the production of sustainable polymer materials with an enhanced safety approach



Project Idea

Call Topic: HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-36: Safe and clean processing technologies and products (Processes4Planet partnership) (RIA)

Deadline Dates: 23.09.2025

Objectives: Multidisciplinary development of modern chemistry and fully integrated dynamic features for a greener and smarter material future

Expected Results: High-performance sustainable materials by molecular engineering strategies

Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	TUBITAK MAM	RTD	TURKİYE	Coordinator, material development
02	Nd	Industry/University		LCA
03	Nd	Industry		End user
04	Nd	RTD		Exploitation and Dissemination
05				



PRESENTER CONTACT
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